

AMENDMENTS TO THE CLAIMS

1. (CURRENTLY AMENDED) A computing node configured for communications on an InfiniBand™ network, the computing node comprising:

first and second host channel adapters configured for respective first and second communication operations with the InfiniBand™ network; and

a processor configured for monitoring the first and second communication operations and detecting a failure in any one of the first and second communication operations, wherein the processor, in response to detecting the failure as affecting the first communication operations by the first host channel adapter, is configured for causing the first communication operations to be transferred to the second host channel adapter;

wherein the first host channel adapter is configured for notifying the processor of a link failure detected between the first host channel adapter and the InfiniBand™ network, the processor configured for causing the first communication operations to be transferred to the second host channel adapter in response to the notification of the link failure.

2. (ORIGINAL) The computing node of claim 1, wherein the first and second host channel adapters are configured for transfer of first and second InfiniBand™ network traffic, respectively, the processor configured for transferring the first communication operations to the second host channel adapter by redirecting the first InfiniBand™ network traffic to the second host channel adapter.

3. (ORIGINAL) The computing node of claim 2, wherein the processor is configured for redirecting the first InfiniBand™ network traffic by sending a request to a subnet manager having a prescribed presence on the InfiniBand™ network.

4. (CANCELED).

5. (ORIGINAL) The computing node of claim 1, further comprising an internal bus configured for first communications between the processor and the first host channel adapter, the processor configured for causing the first communication operations to be transferred to the second host channel adapter in response to detecting a failure in the first communications.

6. (ORIGINAL) The computing node of claim 5, further comprising a second internal bus configured for communications between the processor and the second host channel adapter, the processor configured for transferring the first communication operations to the second host channel adapter by redirecting InfiniBand™ network traffic managed according to the first communication operations to the second host channel adapter.

7. (ORIGINAL) The computing node of claim 1, wherein the processor is configured for causing the first communication operations to be transferred to the second host channel adapter in response to detecting a failure in the first host channel adapter.

8. (CURRENTLY AMENDED) A method in a computing node configured for communications on an InfiniBand™ network, the method comprising the steps of:

configuring first and second host channel adapters within the computing node for respective first and second communication operations with the InfiniBand™ network;

detecting a failure in the first communication operations by the processor within the computing node; and

transferring the first communication operations to the second host channel adapter by the processor, based on the detected failure;

wherein the detecting step includes receiving a notification from the first host channel adapter of a link failure between the first host channel adapter and the InfiniBand™ network.

9. (ORIGINAL) The method of claim 8, wherein the first and second host channel adapters are configured for transfer of first and second InfiniBand™ network traffic, respectively, the transferring step including redirecting the first InfiniBand™ network traffic to the second host channel adapter.

10. (ORIGINAL) The method of claim 9, wherein the redirecting step includes sending a request to a subnet manager, having a prescribed presence on the InfiniBand™ network, to redirect the first InfiniBand™ network traffic from the first host channel adapter to the second host channel adapter.

11. (CANCELED).

12. (ORIGINAL) The method of claim 8, wherein the computing node further includes an internal bus configured for first communications between the processor and the first host channel adapter, the detecting step including detecting a failure in the first communications.

13. (ORIGINAL) The method of claim 12, wherein the computing node further includes a second internal bus configured for communications between the processor and the second host channel adapter, the transferring step including redirecting InfiniBand™ network managed according to the first communication operations to the second host channel adapter via the second internal bus.